WHAT IS CLAIMED IS:

1. A parallelepiped housing for enclosing a gigabit interface converter (GBIC) including a printed circuit board, a laser source, a light detector, and a connecter wherein one end of each of the laser source and the light detector is coupled to a first end of the printed circuit board and the connecter is formed at a second end opposite to the first end of the printed circuit board, the housing comprising:

a base having a first spacer, a first space, a second space and a third space, wherein the first space has a first stopper and a second stopper for positioning the printed circuit board and for being fitted against the connecter therebetween, the second space is adapted for positioning the laser source, the third space is adapted for positioning the light detector, the first spacer is adapted for separating the second and the third spaces, and the first spacer having a first fastener for fastening the printed circuit board; and

a cover having a first protrusion and a second protrusion for being fitted against the connector of the GBIC.

2. The housing as claimed in claim 1, wherein the base further comprises a second spacer for separating the second and the third spaces.

3. The housing as claimed in claim 1, wherein the base further comprises at least one junction unit, the cover further comprises at least one hole each disposed corresponding to the junction unit of the base.

4. The housing as claimed in claim 3, wherein each of the junction units is a screw hole.

5. The housing as claimed in claim 4, wherein the printed circuit board has at least one threaded hole each disposed corresponding to one of the junction units of the base.

6. The housing as claimed in claim 1, wherein the base further has a first fastening wall and a second fastening wall.

7. The housing as claimed in claim 6, wherein the cover further comprises a second fastener and a third fastener, the second fastener fastens the first fastening wall together, and the third fastener fastens the second fastening wall together.

8. A gigabit interface converter (GBIC), comprising:

an interface having a printed circuit board, a laser source, a light detector, and a connecter; wherein one end of each of the laser source and the light detector is coupled to a first end of the printed circuit board and the connecter is formed at a second end opposite to the first end of the printed circuit board;

a base having a first spacer, a first space, a second space and a third space, wherein the first space has a first stopper and a second stopper for positioning the printed circuit board and for being fitted against the connecter therebetween, the second space is adapted for positioning the laser source, the third space is adapted for positioning the light detector, the first spacer is adapted for separating the second and the third spaces, and the first spacer having a first fastener for fastening the printed circuit board; and

a cover having a first protrusion and a second protrusion for being

fitted against the connector.

9. The gigabit interface converter as claimed in claim 8, wherein the base further comprises a second spacer for separating the second and the third spaces.

10. The gigabit interface converter as claimed in claim 8, wherein the base further comprises at least one junction unit, the cover further comprises at least one hole each disposed corresponding to the junction unit of the base.

11. The gigabit interface converter as claimed in claim 8, wherein each of the junction units is a screw hole.

12. The gigabit interface converter as claimed in claim 8, wherein the base further has a first fastening wall and a second fastening wall.

13. The gigabit interface converter as claimed in claim 8, wherein the cover further comprises a second fastener and a third fastener, the second fastener fastens the first fastening wall together, and the third fastener fastens the second fastening wall together.